

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14296

A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	C07C309/65	C07C49/55	C07C49/747	C07C59/125	C07C69/708
	C07C69/78	C07C65/21	C07C59/60	C07C69/734	C07C229/18
	C07C255/40	C07C69/712	C07C323/56	C07C323/52	A61K31/215

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, BEILSTEIN Data, EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CA 'Online!' CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; LITVINOVA, L. A. ET AL: "Synthesis and antiviral activity of 2,7-bis(alkoxycarbonylmethoxy)-9- fluorenones" retrieved from STN Database accession no. 111:186953 XP002258031 abstract & KHIMIKO-FARMATSEVTICHESKII ZHURNAL, vol. 23, no. 6, 1989, pages 702-704,</p> <p style="text-align: center;">---</p> <p style="text-align: center;">-/-</p>	25

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

7 April 2004

27/04/2004

Name and mailing address of the ISA

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PCT/EP 03/14296

A. CLASSIFICATION OF SUBJECT MATTER	IPC 7 A61K31/185 C07C211/60	A61P3/10 C07C47/575	A61P3/06	C07C323/34	C07C233/76
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Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; Database accession no. 7288983 XP002258032 abstract ---	23
X	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from 7293294 XP002258033 abstract --- -/-	23

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 773 019 A (ZERIA PHARM CO LTD) 14 May 1997 (1997-05-14) the whole document ---	1,14-17
A	WO 02/092084 A (F.HOFFMANN-LA-ROCHE AG) 21 November 2002 (2002-11-21) claims; examples ---	14-17
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MERCHANT, JAYSUKHLAL R. ET AL: "Synthesis of some indan-1-ones" retrieved from STN Database accession no. 88:74225 XP002258034 abstract & JOURNAL OF THE CHEMICAL SOCIETY, PERKIN TRANSACTIONS 1: ORGANIC AND BIO-ORGANIC CHEMISTRY (1972-1999) (1977), (19), 2089-92 , ---	23
X	US 5 780 465 A (CRESSMAN ERIK N K ET AL) 14 July 1998 (1998-07-14) column 41, line 56 ---	22
X	US 5 922 771 A (FUKATSU KOHJI ET AL) 13 July 1999 (1999-07-13) column 40, line 40; example 11 ---	23
X	US 5 128 362 A (DEBERNARDIS JOHN F ET AL) 7 July 1992 (1992-07-07) column 21; examples 60,61 ---	23
X	JP 53 012421 A (SANKYO CO LTD) 3 February 1978 (1978-02-03) page 84, column 3; example 2 "5-methyle-6-nitro-1-indanone" ---	27
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; HIROYA, KOU ET AL: "An alternative route to a benzofuran natural product dehydrotremetone" retrieved from STN Database accession no. 122:105513 XP002276464 abstract & HETEROCYCLES (1994), 38(11), 2463-72 , -----	29

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: 1-12, 14-15 (partly) because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple Inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-12,14-15 (partly)

Present claims 1-12,14,15 relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds wherein R5=Z and R6=W.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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International Application No
PCT/EP 03/14296

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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